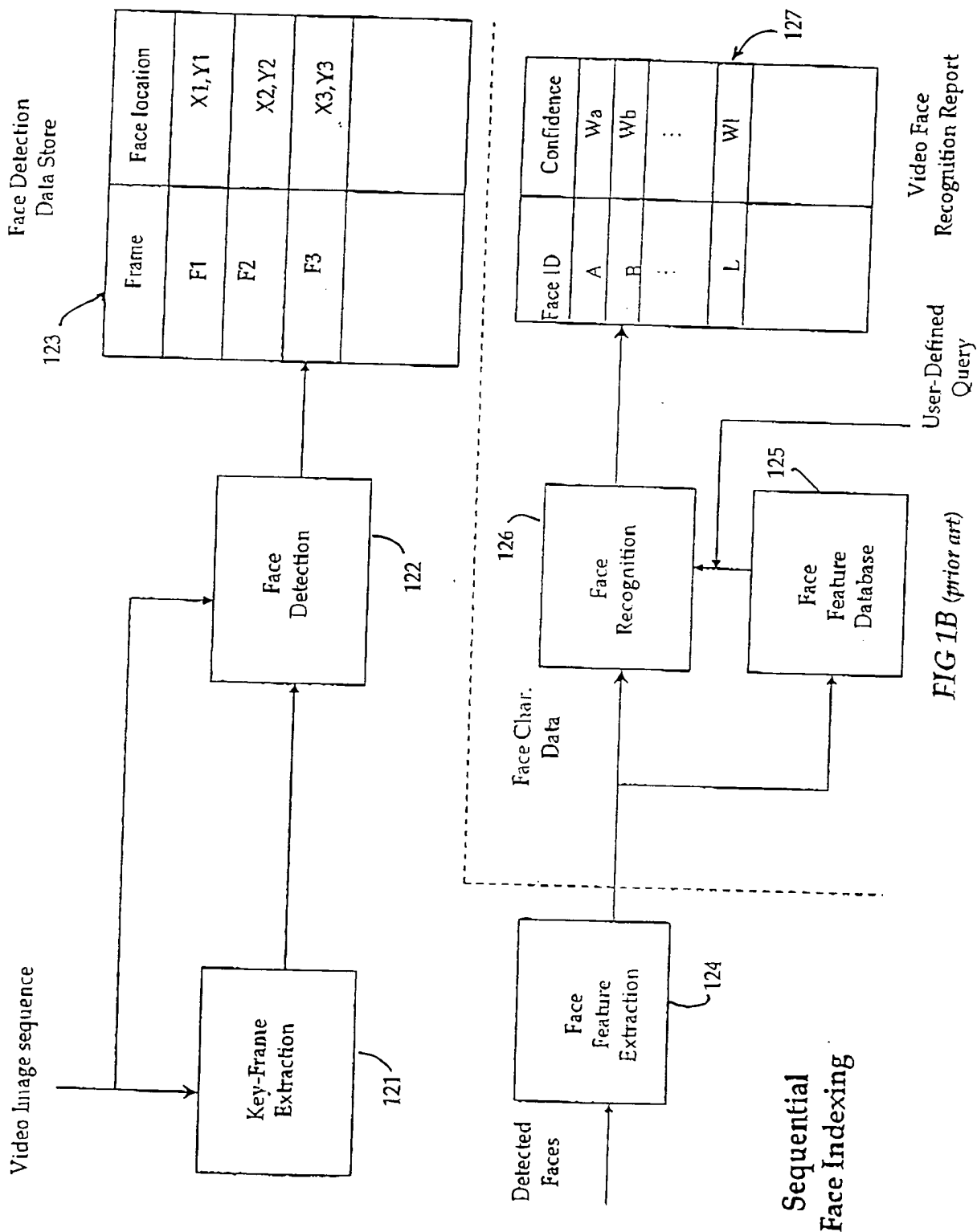


FIG 1A (prior art)



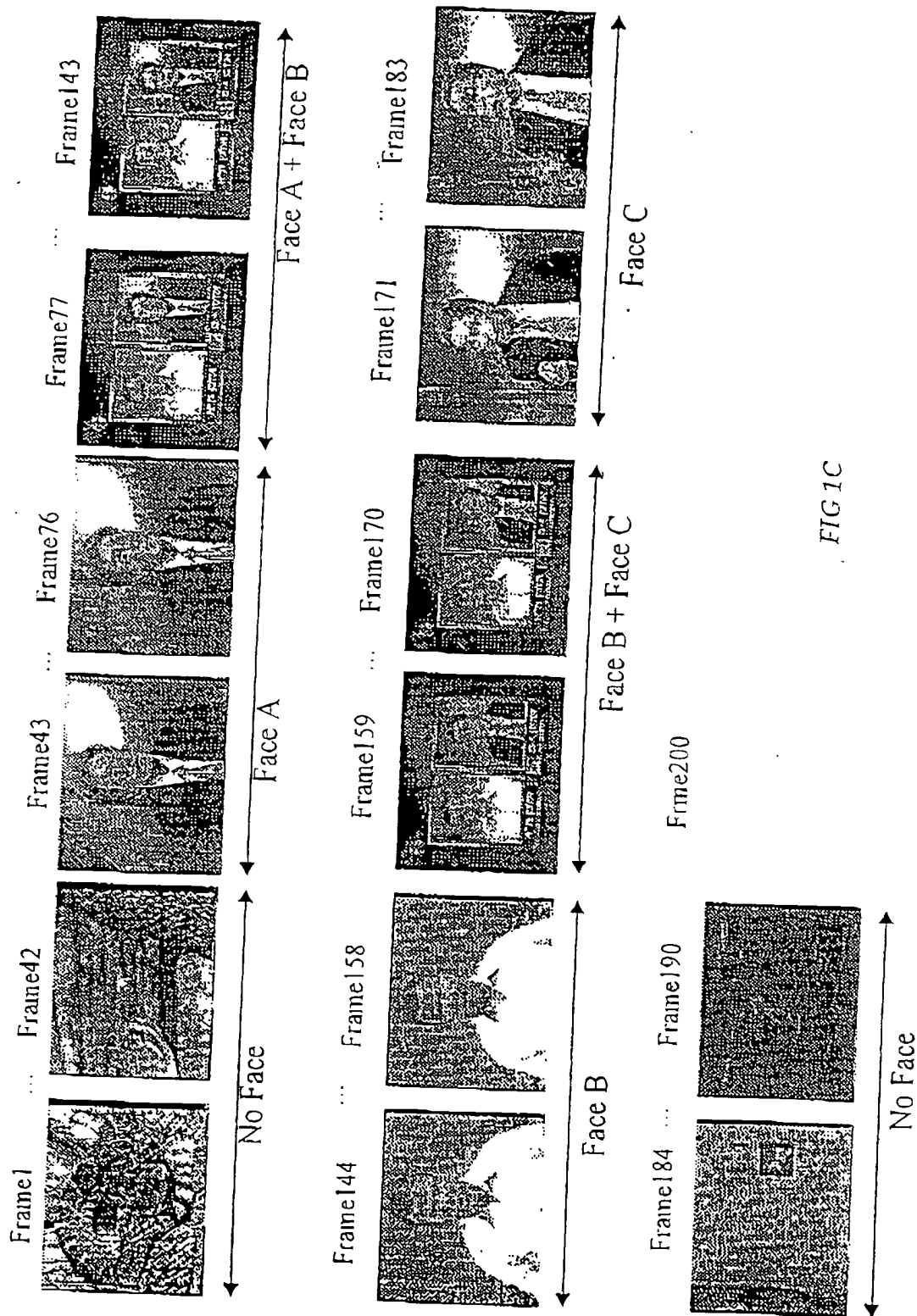


FIG 1C

Face Instance	Frame Index	Bounding Rectangle
l_1	Frame 43	R_1
...
l_33	Frame 76	R_k
l_34	Frame 77	R_{k+1}
l_35	Frame 77	...
l_36	Frame 78	R_n
...	..	R_{n+1}
l_198	Frame 143	R_s
...

FIG 1D (prior art)

5/20

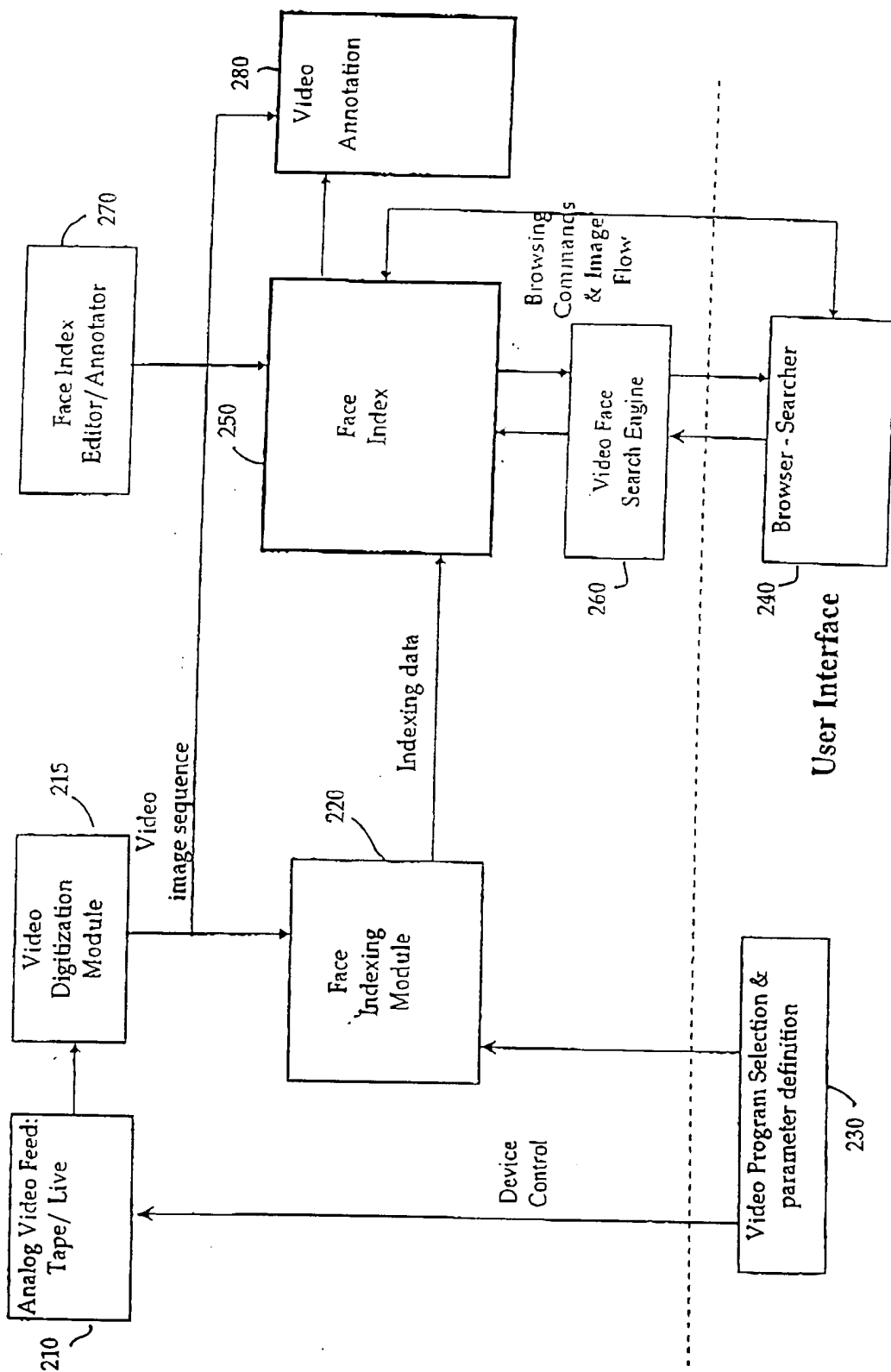


FIG 2

FIG 2

TOP SECRET

Face Label	Face Track	Frame Index	Face Track Coord.	Face Charac Views	Face Frontal Views	Face Charac. data	Audio Charac. Data	Annotation (charac in text, keywords)
F1	T1	(Fs, Fe)	{X(Fs),...X (Fe)}	(C)	(F)	(Fg, Fi, Fu)	(Fa)	
	T2							
	...							
F2								

FIG 3

Start Frame	F_s
End Frame	F_e
Face Track Coordinates	$\bar{X}_{F_s}, \dots, \bar{X}_{F_e}$
Face_Characteristic_VIEWS	
Face_Frontal_VIEWS	
Face_Characteristic_Data	
Audio_Characteristic_Data	

Face Track Structure

FIG 4

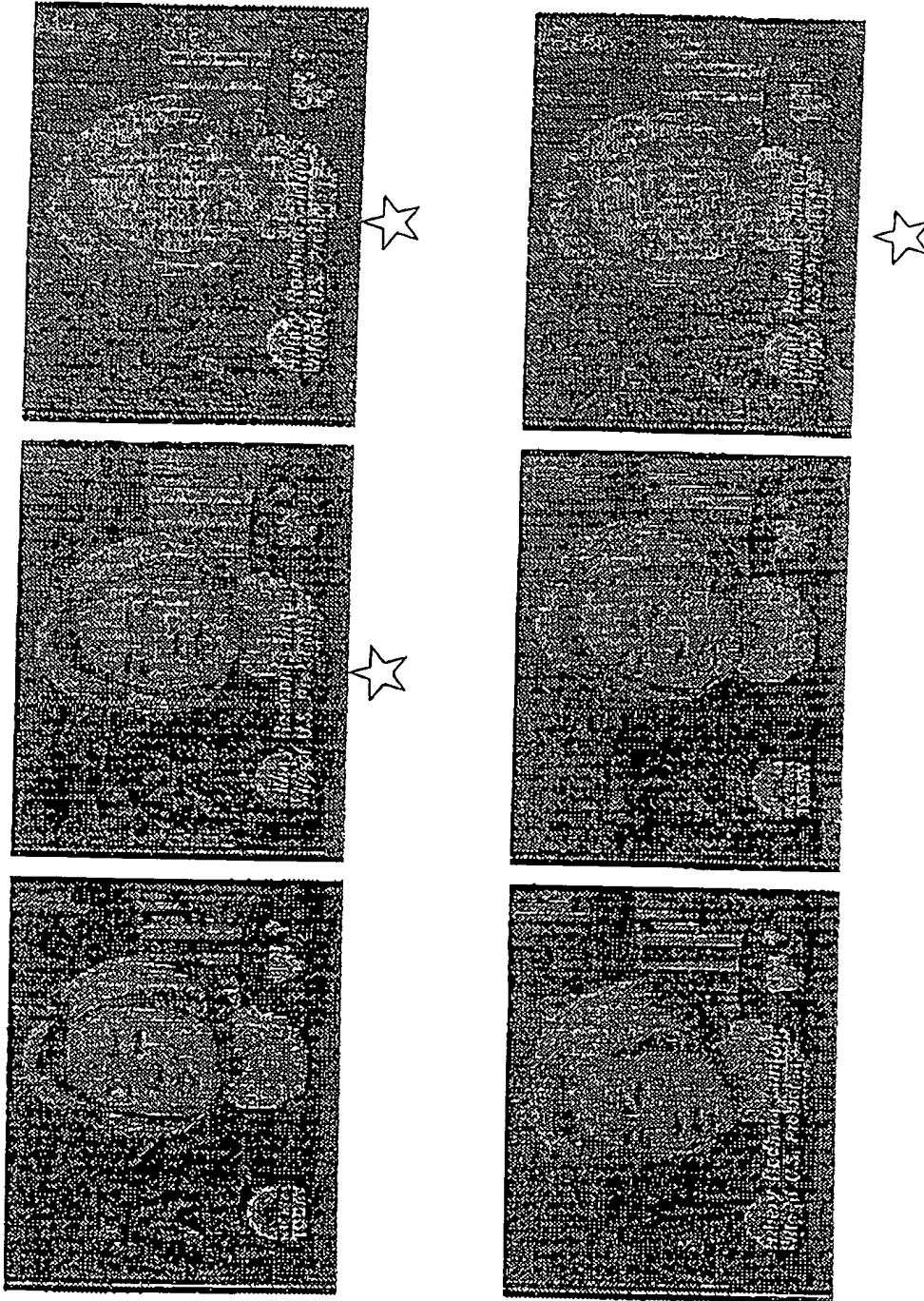
8/20

Face Label	Face Track	Frame Index	Bounding Rectangle	...	Annotation
A	A1	43 - 76	Per face		Bob
	A2	77-143	...		Bob
B	B1	77-143	R_k		Bill; Opposition leader candidate
	B2	144-158	R_{k+1}		Bill; Opposition leader candidate
	B3	159-170	...		Bill; Opposition leader candidate
C	C1	159-170	R_n		Smith; Labor party candidate
	C2	171-183	...		Smith; Labor party candidate

FIG 5

9/20

09786865.062701



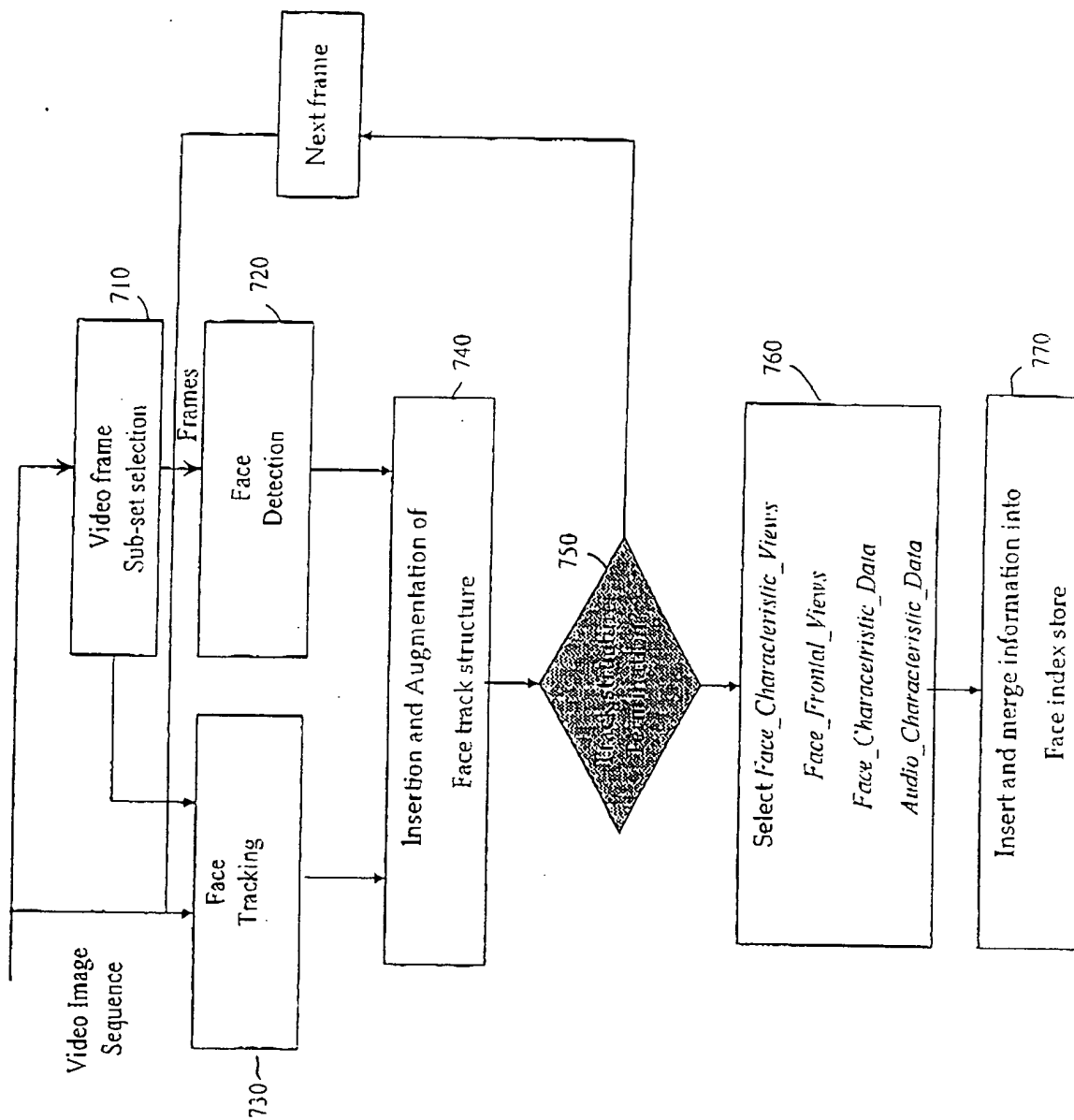


FIG 7

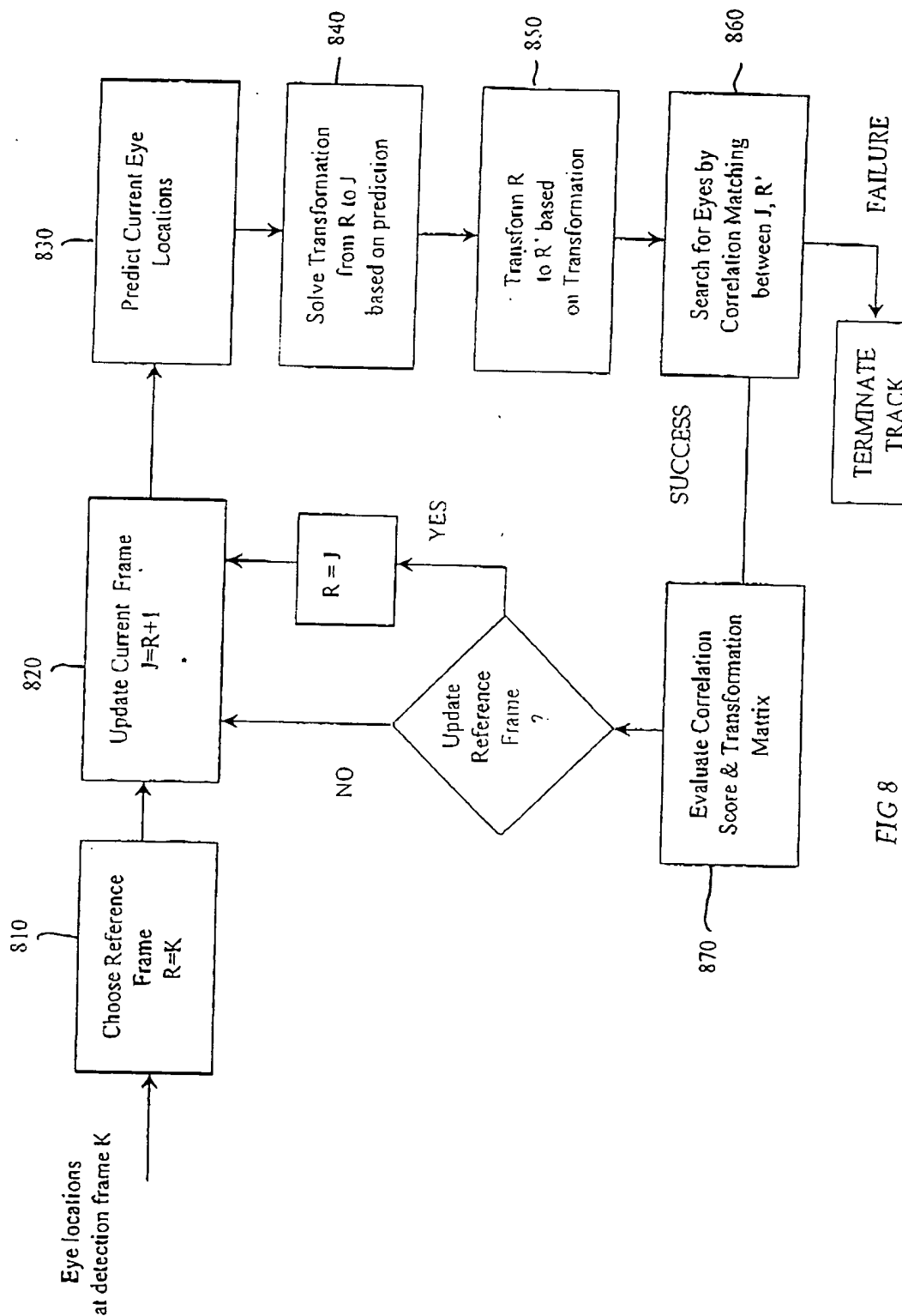


FIG 8

FIG 8

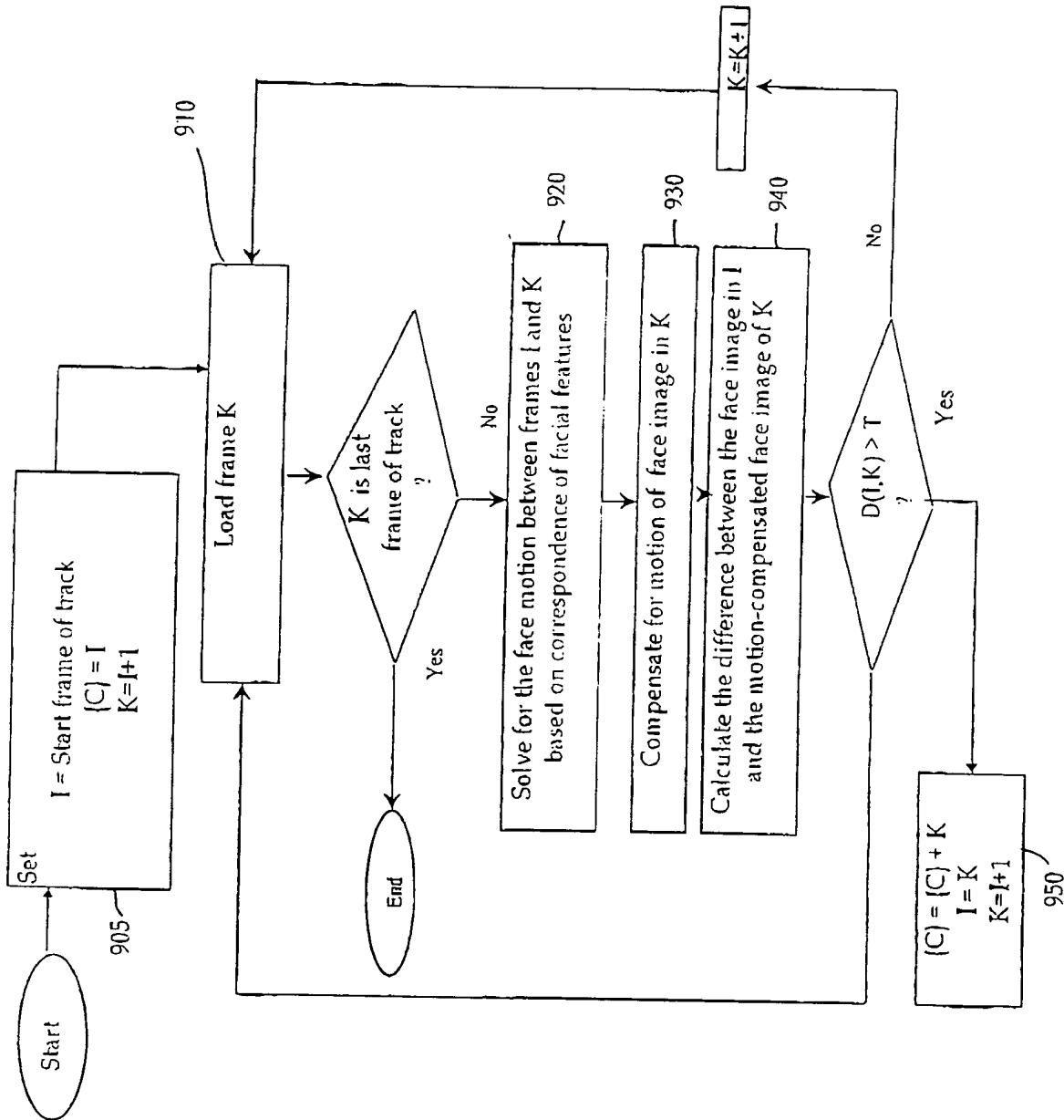
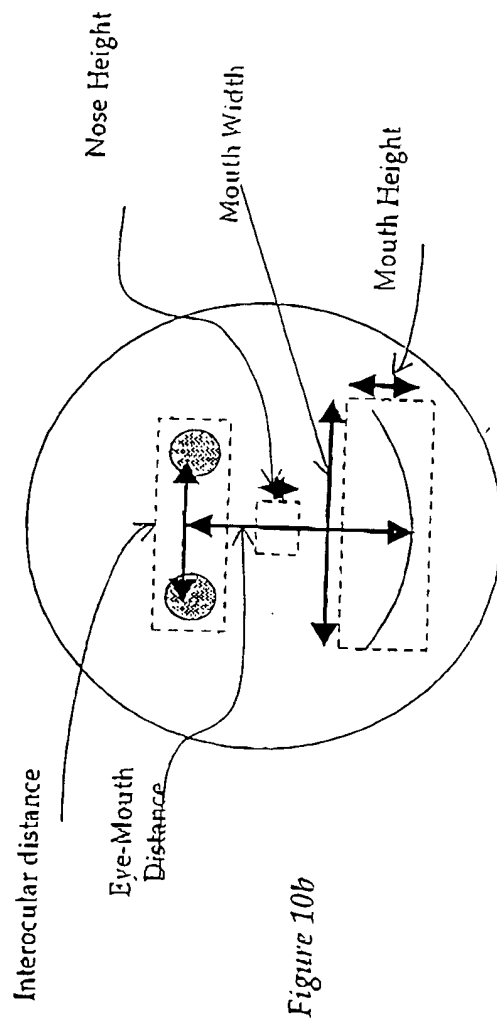
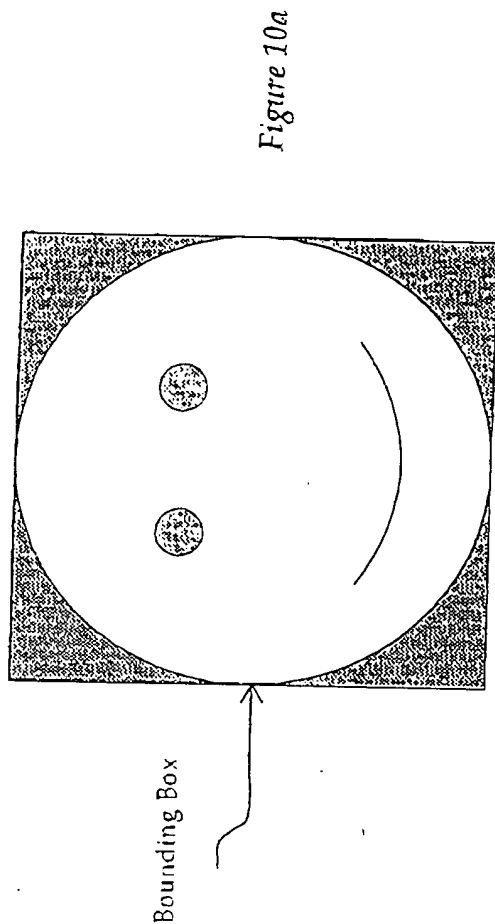
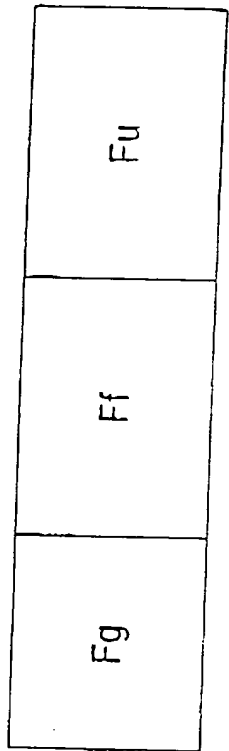


FIG. 9

09786865.062701





Fg:

Face Templates

Feature Templates

F1	F2				Left eye	Right eye	nose
					mouth	chin	

Ff:

Geometrical Features

Interocular distance (between eye distance)	Vertical projection: Eye-nose	Vertical projection: Eye-mouth	Chin width
--	----------------------------------	-----------------------------------	------------

Fu:

Unique Features

eyeglasses	bold			Hair color	
Yes/no	Conf.	Yes/no	Conf.	(black, brown, orange, yellow, ...)	Conf.

FIG 11

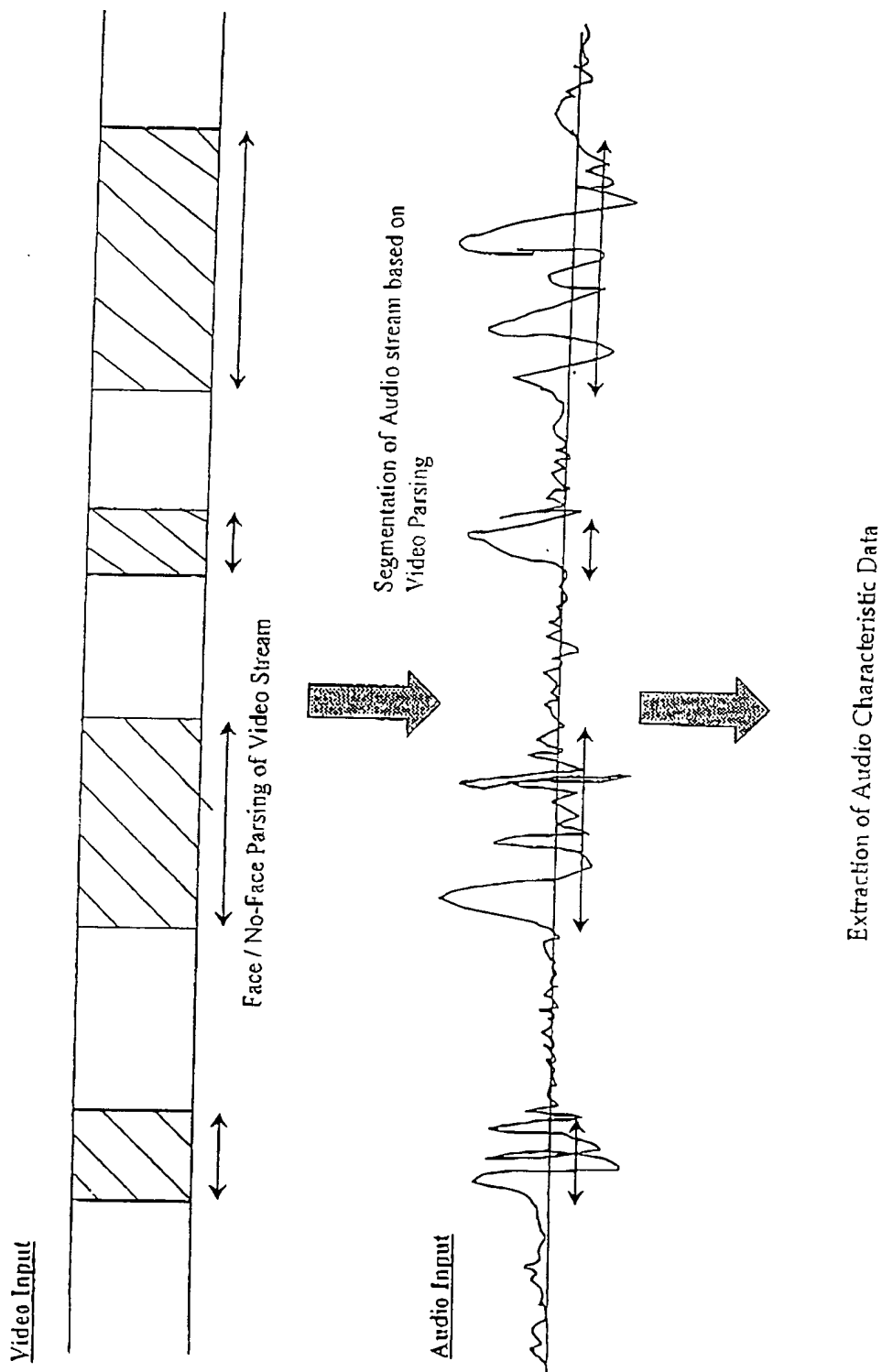


FIG 12

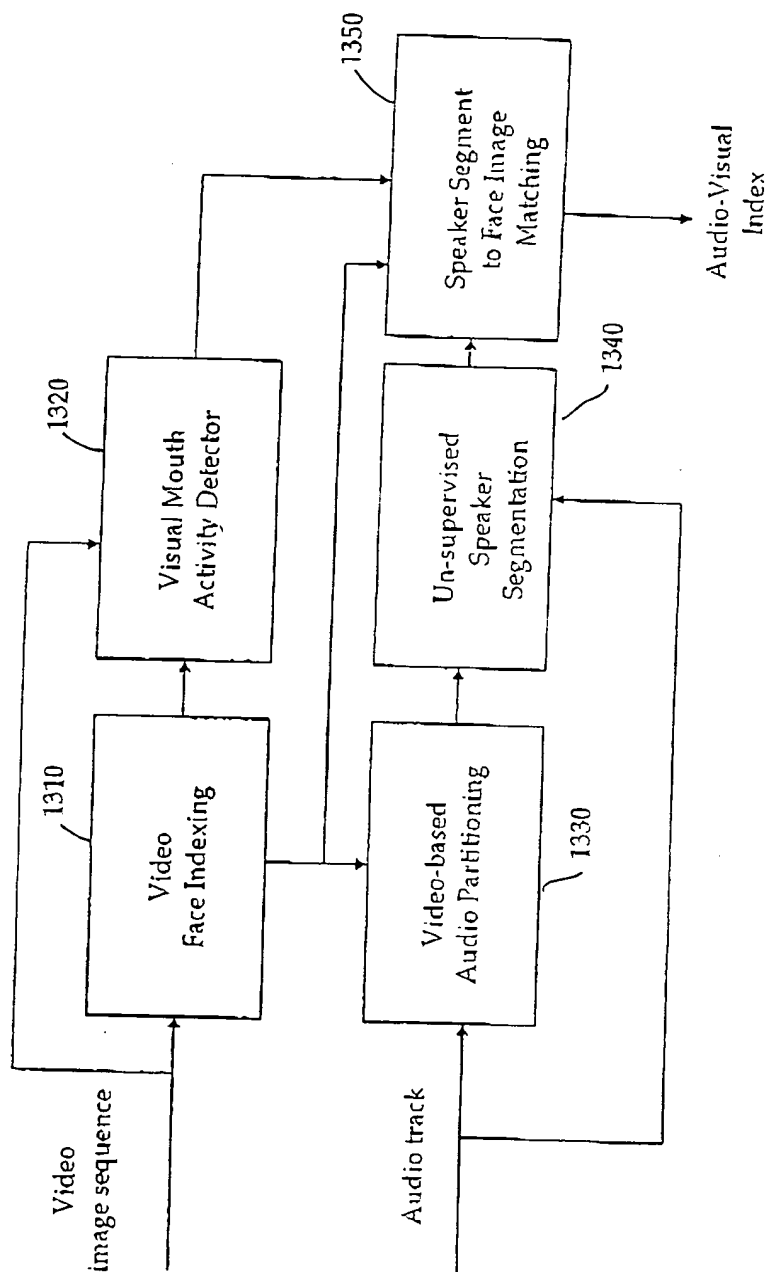


FIG 13

T02290" 59898/60

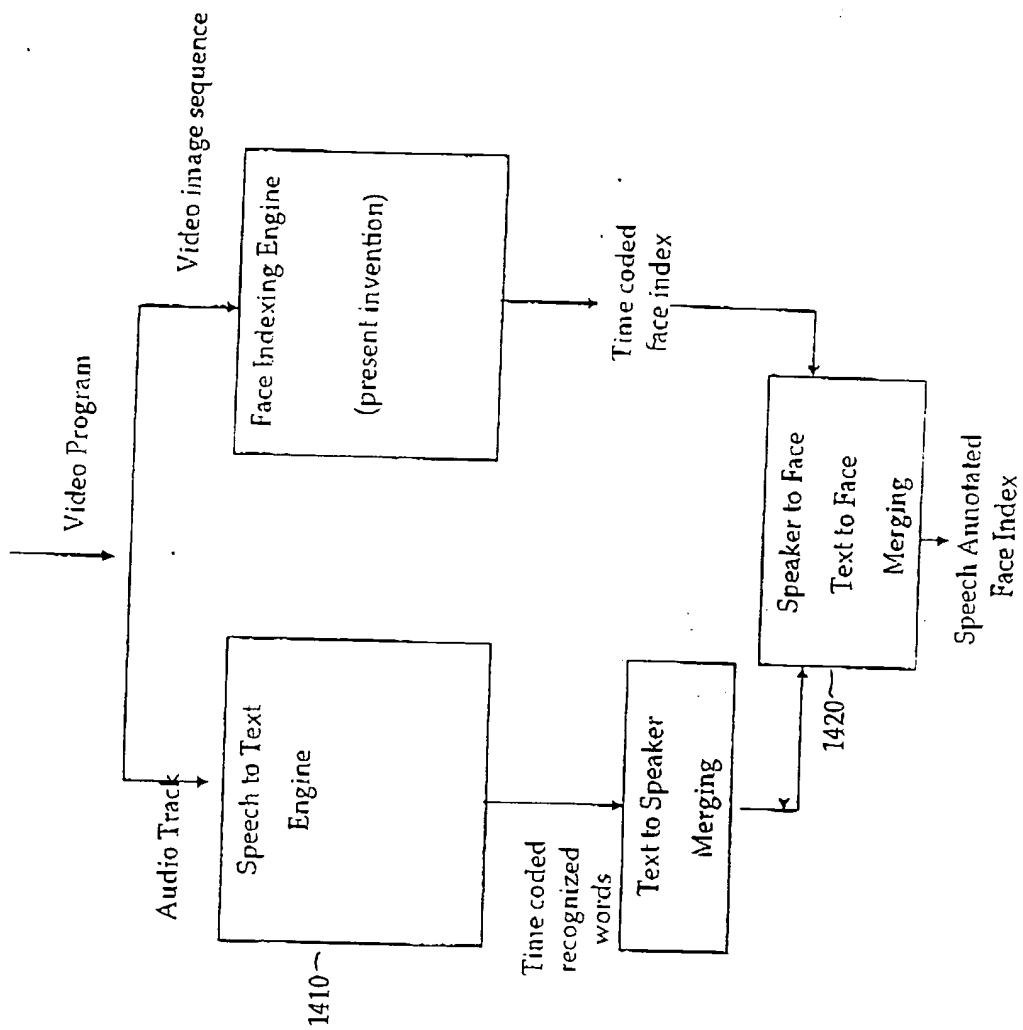


FIG 14

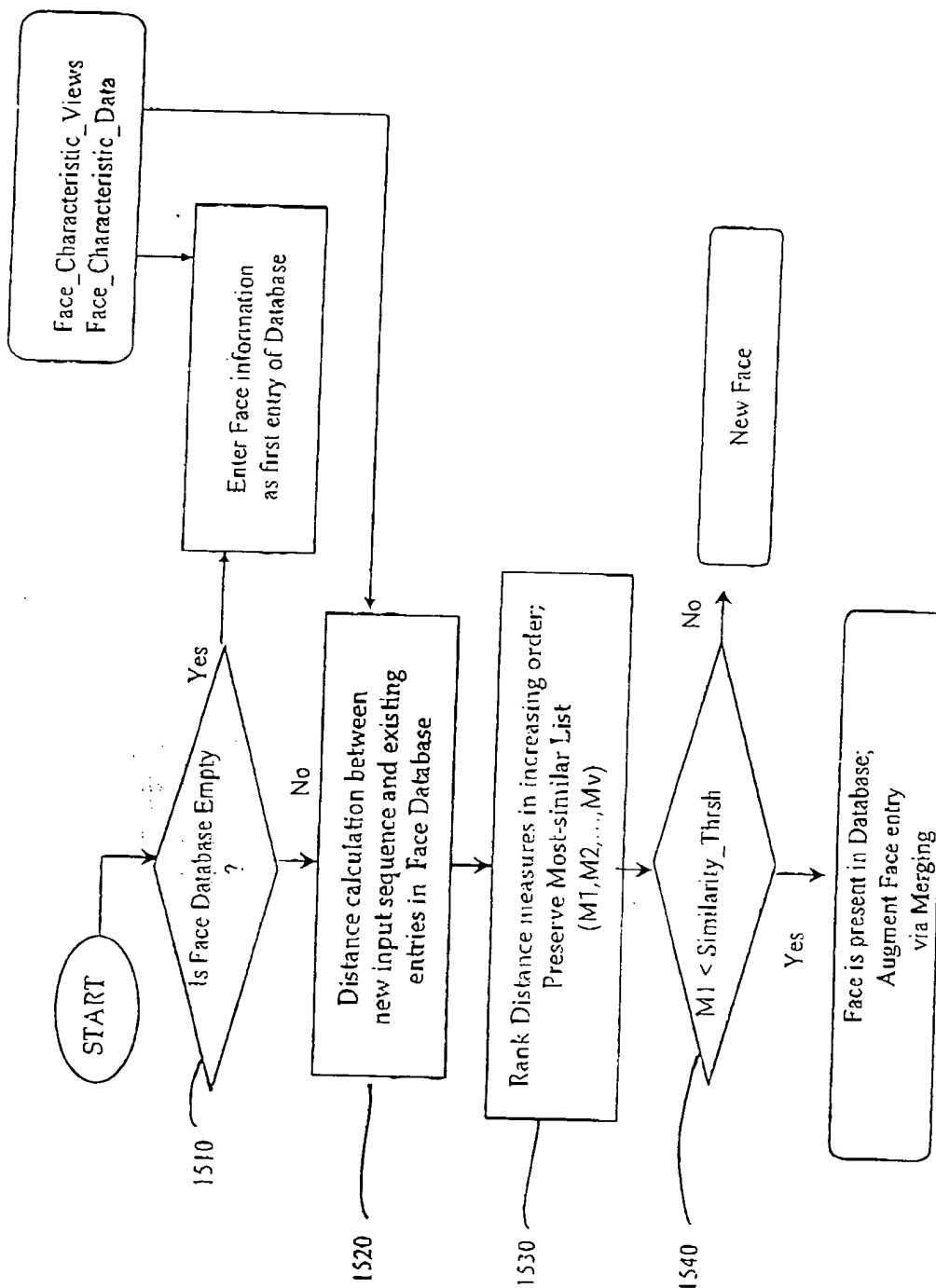


FIG 15

19/20

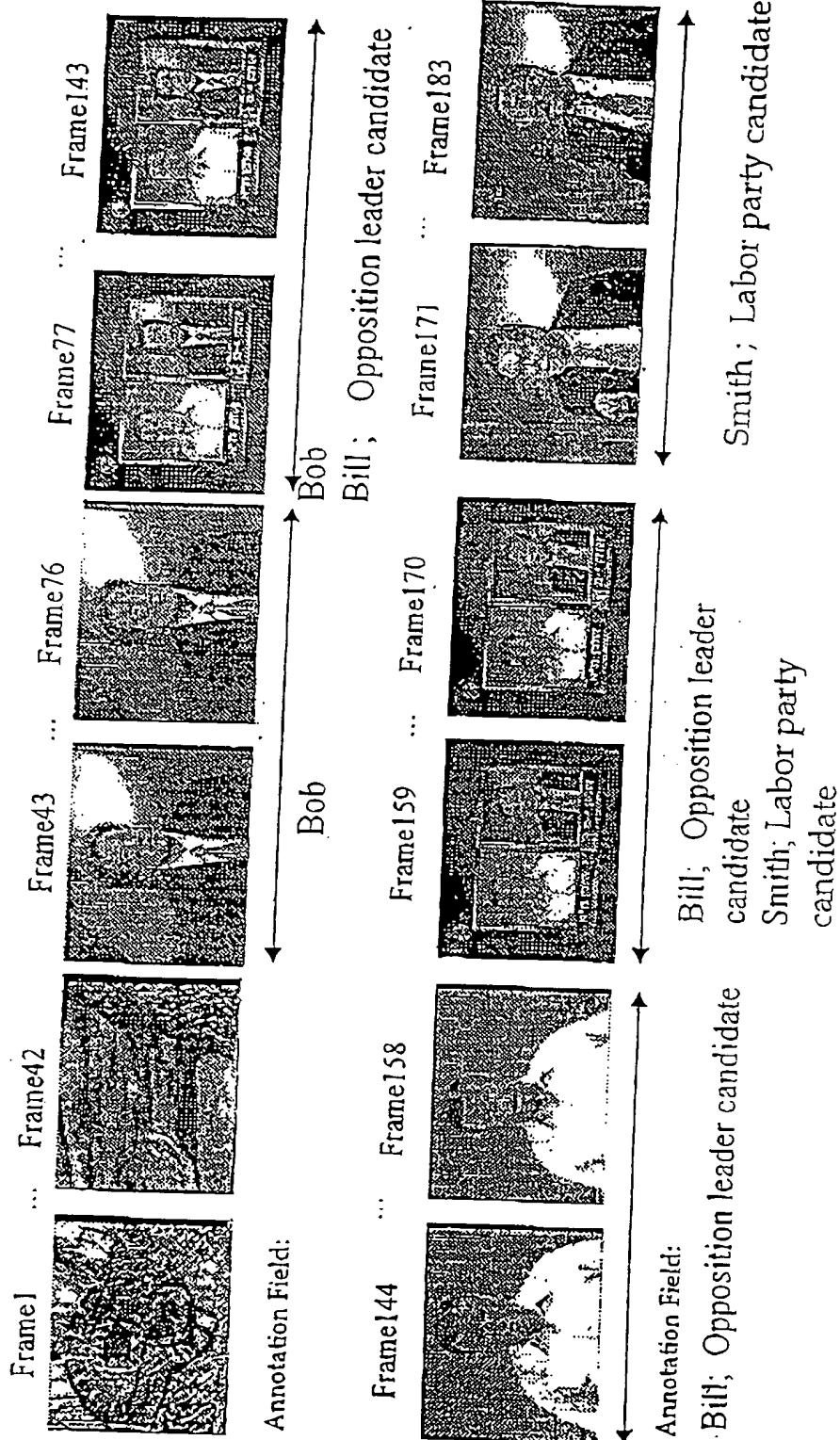


FIG 16

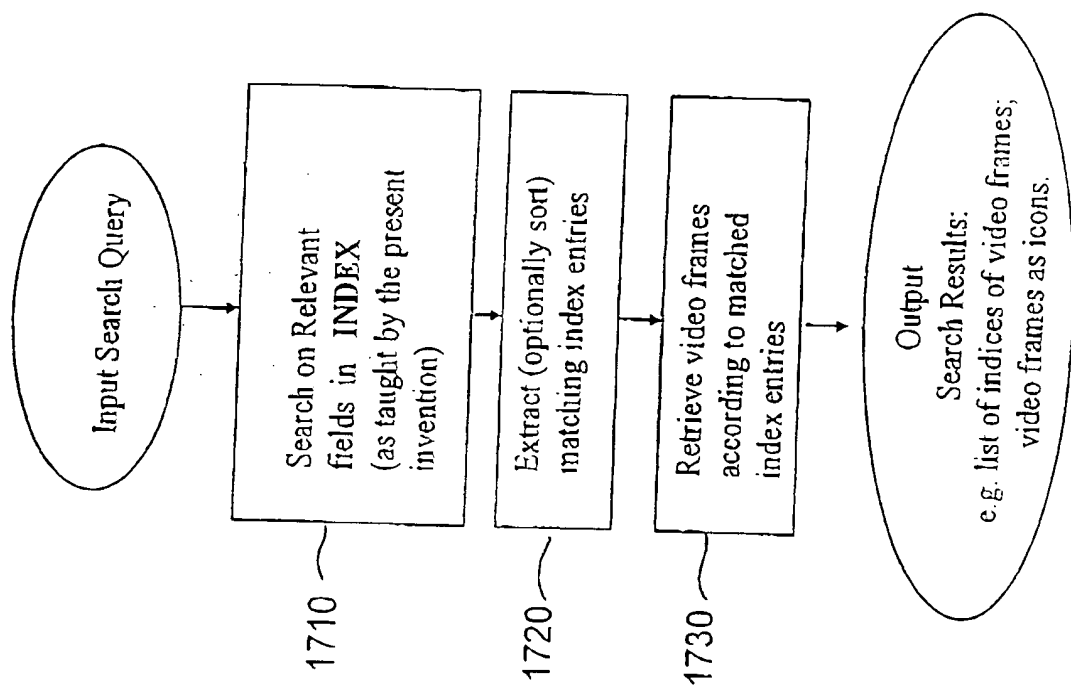


FIG 17